R/V DAN MOORE STATION LOG

VESSEL (1)	STATION (2-5)	CRUISE NO. (6-8)	MO.	DAY	YEAR	GRID (15-17)	LATITUDE (18-21)	LONGITUDE (22-25)
M	2991	038	03	23	76	23AL	3451	7618

DEPTH (26-29)	SUR. TEMP. (30-31)	BTM TEMP. (32-33)	AIR TEMP (34-35)	BAROMETER (36-38)	BT (39)	WIND DIR. (40-41)	WIND SPD. (42-43)
0004	15	15	13	049	Y	NE	20

S.C. (44)	WEA. (45-46)	BTM TYPE (47-48)	BTM REG (49)	GEAR TYPE (50-51)	GEAR SIZE (52-54)	OP (55)	TM. START (56-57)	MIN. FISHED (58-60)
5	CL	SA	E	FT	151	—	08	030

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
01	01199	0001	—	—

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
—	—	—	—	—

POSITION	LATITUDE	LONGITUDE	LORAN 3H6	LORAN GL1	DEPTH fms	C/C	TIME ON STATION PO	TIME ON STATION DO
START	34° 51′	76° 18′	1550	4859	4		0825	0826
FINISH	34° 52′	76° 17′	1534	4859	4		PU 0856	ON 0900

LENGTH WARP	SHAFT RPM	PITCH	GEAR DATA:
50	1200/5 2	50	

SPECIAL MODIFICATIONS

OPERATIONAL COMMENTS

OBSERVATIONS

1 Sturgeon Tagged and released
20 Blue back herring and
1 Hickory shad captured

234L

R/V DAN MOORE SPECIES LIST

STA. NO. 2991 DATE 3/23/76 19 76 BIOLOGISTS BFH JV SGK

TOT. CATCH WT. 1200 AIR 13 SURFACE 15.2 BOTTOM 15.2

SAMPLE WT. 110 RAISING FACTOR estimated wt. 1000/110 = 9.0909

doesn't apply to sturgeon, angel sharks, herring & flounder

SPECIES	C or NC	SUBSAMPLE NUMBER	SUBSAMPLE WEIGHT	TOTAL NO.	TOTAL WT.	$\bar{X}$ WT estimated wt.	REMARKS
# Acipenser oxyrhynchus				1	123	123	B00879 6'5"
# Squatina dumerili				2	40	20	
Cynoscion regalis	C	5	2	45	18.2	0.4	
	NC	213	29	1936	263.6	0.1	
Peprilus triacanthus	C	24	5.5	218	50.0	0.2	
	NC	430	62	3909	563.6	0.1	
# Paralichthys dentatus				2	0.5	0.3	221 ♂ I 215 ♂
Pomatomus saltatrix	NC	9	2	82	18.2	0.2	
Urophycis regius		2	0.8	18	7.3	0.4	
Leiostomus xanthurus	C	4	1	36	9.1	0.3	
	NC	58	6	527	54.5	0.1	
# Alosa aestivalis				20	6.5	0.3	
Trichiurus lepturus		8	0.6	73	5.4	<0.1	
Anchoa hepsetus		12	0.5	109	4.5	<0.1	
Micropogon undulatus	NC	33	2.8	300	25.4	0.1	
Menticirrhus americanus	C	2	.8	18	7.3	0.4	
Lagodon rhomboides		1	0.2	9	1.8	0.2	
Peprilus setifer							
Peprilus alepidotus		1	0.1	9	0.9	0.1	
# Alosa mediocris				1	0.5	0.5	

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Length-frequency distribution

Species: P dentatus

Station: 2951
23AL

Date: 3/23/76

Locality:

T.L.	♂	♀	sexes	T.L.
100 - 109				600 -
110 -				610 -
120 -				620 -
130 -				630 -
140 -				640 -
150 -				650 -
160 -				660 -
170 -				670 -
180 -				680 -
190 -				690 -
200 -				700 -
210 -	1		1	710 -
220 -		1	1	720 -
230 -				730 -
240 -				740 -
250 -				750 -
260 -				
270 -				♂ 215
280 -				
290 -				♀ 221
300 -				
310 -				
320 -				
330 -				
340 -	1	1	2	total
350 -				
360 -				
370 -				
380 -				
390 -				
400 -				
410 -				
420 -				
430 -				
440 -				
450 -				
460 -				
470 -				
480 -				
490 -				
500 -				
510 -				
520 -				
530 -				
540 -				
550 -				
560 -				
570 -				
580 -				
590 -				

Sheet ___ of ___

Species: P. dentatus

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	Remarks
1	215	♂							2951	Area III
2	221	♀						I		

ANADROMOUS FISH TAGGING & RELEASE DATA

Station No. 2991

Date 3/23/76

Area of Release Grid 23 AL 2½ mi NE Drum Inlet

LORAN Start 1550 (34°51') 4859 (76°18')

Finish 1534 (34°52') 4859 (76°17')

Tot. Fish Captured 1

Tot. Fish Tagged 1

No. Retained for analysis 0

Gear Type 151' modified wing trawl

TAG. NO.	Weight Lbs.	Weight Ozs.	F.L. (cm)	Species	Remarks
# 00899	123		195.6	A oxyrhynchus	

Species: *Alosa mediocris*

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	MARCH 1976 Remarks
3	221	♂								2991

LENGTH - FREQUENCY DISTRIBUTION

SPECIES: ALOSA AESTIVALIS

DATE: 3/23/76

STATION: 2991

LOCALITY: 23AL

T.L.	♂	♀	Unk
50-59.9			
60-			
70-			
80-			
90-			1
100-			
110-			
120-			
130-			
140-			
150-			
160-			
170-			
180-			
190-			
200-			
210-			
220-	1		
230-	8	1	
240-	3	2	
250-		4	
260-			
270-			
280-			
290-			
300-			
310-			
320-			
330-			
340-			
350-			
360-			
370			
380-			
390-			
400-			
410-			
420-			
430-			
440-			
450-			
460-			
470-			
480-			
490-			
500-			
510-			
520			
530-			
540-			

T.L.	♂	♀	Unk
550-			
560-			
570-			
580-			
590-			
600-			
610-			
620-			
630-			
640-			
650-			
660-			
670-			
680-			
690-			
700-			
TOTAL	12	7	1

N = 20

Range ♂ 226-243

♀ 237-253

Unk 98

PAGE ___ OF ___

SUMMARY SHEET

LENGTH - FREQUENCY DISTRIBUTION

SPECIES: ALOSA AESTIVALIS

DATE: MARCH

STATION:

LOCALITY:

T.L.	♂	♀	Unk	T.L.	♂	♀	Unk
50-59.9				550-			
60-				560-			
70-				570-			
80-			2	580-			
90-			4	590-			
100-			2	600-			
110-				610-			
120-				620-			
130-	1			630-			
140-				640-			
150-				650-			
160-	2	2		660-			
170-	2	6		670-			
180-	2	3		680-			
190-		1		690-			
200-				700-			
210-		1					
220-	2	1					
230-	13	1		TOTAL	28	34	8
240-	4	4					
250-	2	11					
260-		1					
270-		3					
280-					N = 70		
290-							
300-					Range		
310-						♂	135-252
320-							
330-						♀	84-274
340-							
350-						Unk	88-105
360-							
370							
380-							
390-							
400-							
410-							
420-							
430-							
440-							
450-							
460-							
470-							
480-							
490-							
500-							
510-							
520							
530-							
540-							

Species: Acipenser oxyrhynchus

Specimen Number	F.L. cm	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	MARCH 76 Remarks
2	147.3								2990	tagged
3	195.6								2991	

Species: *Alosa aestivalis* MARCH 76

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	Remarks
1770	254	♀						III	2991	
71	237	♀						I	"	
72	242	♀						III		
73	250	♀						III		
74	220	♂								
75	242	♂								
76	240	♂								
77	253	♀						I		215
78	243	♂								221
79	233	♂								
80	231	♂								? ♀
81	234	♂								♂
82	253	♀						II		
83	232	♂								
84	237	♂								
85	241	♀						I		Plasmolyt.
86	234	♂								
87	235	♂								
88	238	♂								
89	98	UNK								
1790	248	♀						I	3001	
91	135	♂							3002	
92	176	♀						Im		
93	178	♀						Im		
94	253	♀						III		
95	260	♀						III		
96	274	♀						III		
97	273	♀						III		
98	257	♀						III		
99	258	♀						III		
1800	213	♀						I	3004	

(3)